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April 14, 2004

EXPRESS MAIL MAILING LABEL	
NUMBER	EV 414867573 US
DATE OF DEPOSIT	April 14, 2004

MS PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/714,820 entitled "METHOD FOR ANALYZING DNA OF SWEET POTATO" – Maria Berenyi et al.*
Our reference: SONN:043US
Client reference: R 42691/sh

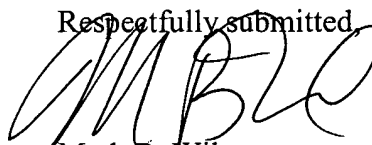
Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1, B1-B2 and C1-C43.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/SONN:043US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,



Mark B. Wilson
Reg. No. 37,259

MBW/kmv
Encl.: as noted

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Maria Berenyi *et al.*

Serial No.: 10/714,820

Filed: November 17, 2003

For: METHOD FOR ANALYZING DNA OF
SWEET POTATO

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: SONN:043US

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INFORMATION DISCLOSURE STATEMENT

MS PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

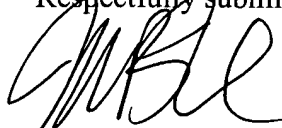
In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed

in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/SONN:043US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Mark B. Wilson
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Attorney for Applicants

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Date: April 14, 2004

Form PTO-1449 (modified)		Atty. Docket No. SONN:043US	Serial No. 10/714,820
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Maria Berenyi <i>et al.</i>	
		Filing Date: November 17, 2003	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,702,891	12/30/97	Kolberg and Ureda	435	6	4/05/95

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	CA 2119557	2/24/04	Canada			
	B2	WO 93/06239	4/01/93	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Berenyi <i>et al.</i> , "Tyl-copia retrotransposon-based S-SAP (sequence specific amplified polymorphism) for genetic analysis of sweet potato," <i>Theoretical and Applied Genetics</i> , 105(6-7):862-869, 2002.
	C2	Boeke and Corces, "Transcription and reverse transcription of retrotransposons," <i>Ann. Rev. Microbiol.</i> , 43:403-434, 1989.
	C3	Ellis <i>et al.</i> , "Polymorphism of insertion sites of Tyl-copia class retrotransposons and its use for linkage and diversity analysis in pea," <i>Mol. Gen. Genet.</i> , 260:9-19, 1998.
	C4	Flavell <i>et al.</i> , "Extreme heterogeneity of Tyl -copia group retrotransposons in plants, <i>Mol. Gen.</i> , 231(2):233-242, 1992.
	C5	Flavell <i>et al.</i> , "Tyl- copia group retrotransposons are ubiquitous and heterogeneous in higher plants," <i>Nucleic Acids Research</i> , 20(14):3639-3644, 1992.
	C6	Gichuki <i>et al.</i> , (in preparation) "Genetic diversity of sweet potato {Ipomea batatas (L-) Lam} as assessed with RAPD markers in relationship to geographic sources,"
	C7	Gong-Xin Yu and R.P. Wise, "An anchored AFLP- and retrotransposon-based map of diploid Avena," <i>Genome</i> , 43:736-749, 2000.
	C8	Grandbastein <i>et al.</i> , "Tnt1, a mobile retroviral-like transposable element of tobacco isolated by plant cell genetics," <i>Nature</i> , 337:376-380, 1989.

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	C9	Grandbastien <i>et al.</i> , "The expression of the tobacco Tnt1 retrotransportation is linked to plant defense responses," <i>Genetica</i> , 100:241-252, 1997.
	C10	He Guohao <i>et al.</i> , "Analysis of genetic diversity in a sweet potato (<i>Ipomoea batatas</i>) germplasm collection using DNA amplification fingerprinting," <i>Genome</i> , 38(5) 938-945, 1995.
	C11	Heslop-Harrison <i>et al.</i> , "The chromosomal distributions of Tyl-copia group retrotransposable elements in higher plants and their implications for genome evolution," <i>Genetica</i> , 100:197-204, 1997.
	C12	Hirochika, "Activation of tobacco retrotransposons during tissue culture," <i>EMBO J.</i> , 12:12521-12528, 1993.
	C13	Hirochika <i>et al.</i> , "Retrotransposons rice involved in mutations induced by tissue culture," <i>Proc. Natl. Acad. Sci., USA</i> , 93:7783-7788, 1996.
	C14	Jarret <i>et al.</i> , "Phylogenetic relationships of the sweet potato [<i>Ipomea batatas</i> (L.) Lam]," <i>J. Amer. Soc. Hort. Sci.</i> , 117(4):633-637, 1992.
	C15	Jones <i>et al.</i> , "Reproducibility testing of RAPD, AFL-P and SSR markers in plants by a network of European laboratories," <i>Molecular Breeding</i> , 3:381-390, 1997.
	C16	Kumar, "The adventures of the Tyl-copia group of retrotransposons," <i>TIG</i> , 12(2):41-43, 1996.
	C17	Kumekawa <i>et al.</i> , "Identification and characterization of novel retrotransposons of the gypsy type in rice," <i>Mol. Gen. Genet.</i> , 260:593-602, 1999.
	C18	Liu and Wendel, "Retrotransposons," <i>Annu. Rev. Genet.</i> , 33:479-532, 2000.
	C19	McClintok, "The significance of responses of the genome to challenge," <i>Science</i> , 226:792-801, 1984.
	C20	Mhiri <i>et al.</i> , "The promoter of the tobacco Tnl retrotransposon is induced by wounding and abiotic stress," <i>Plant Mol. Biol.</i> , 33:257-266, 1997.
	C21	Milbourne <i>et al.</i> , "Comparison of PCR based marker systems for the analysis of genetic relationship in cultivated potato," <i>Mol. Bred.</i> , 3:127-136, 1997.
	C22	Milbourne <i>et al.</i> , "Isolation and characterization and mapping of simple sequence repeat loci in potato," In: Karp A, IsaacPG, Ingram DS (eds), <i>Molecular Tools for Screening Biodiversity</i> , Chapman & Hall, London, 371-381, 1998.

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	C23	Nuzhdin, "Sure facts, speculations, and open questions about the evolution of transposable element copy number," <i>Genetica</i> , 107:129-137, 1999.
	C24	Okamoto and Hirochika, "Efficient insertion mutagenesis of Arabidopsis by tissue culture-induced activation of the tobacco retrotransposon Ttol," <i>The Plant Journal</i> , 23(2):291-304, 2000.
	C25	Pearce <i>et al.</i> , "Characterization and genomic organization of Tyl-copia retrotransposons in rye (<i>Secale cereale</i>)," <i>Genome</i> , 40:617-625, 1997.
	C26	Pearce <i>et al.</i> , "Rapid isolation of plant Tyl-copia group retrotransposon LTR sequences for molecular marker studies," <i>The Plant Journal</i> , 19(6):711-717, 1999.
	C27	Pearce <i>et al.</i> , "Pea Tyl-copia group retrotransposons: transpositional activity and use as markers to study genetic diversity in <i>Pisum</i> ," <i>Mol. Gen. Genet.</i> , 263:898-907, 2000.
	C28	Pearce <i>et al.</i> , "The Tyl-copia group retrotransposons in <i>Vicia</i> species: copy number, sequence heterogeneity and chromosomal localization," <i>Mol. Gen. Genet.</i> , 250:305-315, 1996.
	C29	Powell <i>et al.</i> , "The utility of RFLP, RAPD, AFLP and SSR (microsatellite) markers for germplasm analysis," <i>Mol Breed.</i> , 2:225-238, 1996.
	C30	Purugganan and Wessler, "Transposon signatures: species-specific molecular markers that utilize a class of multiple-copy nuclear DNA," <i>Molecular Ecology</i> , 4:265-269, 1995.
	C31	Schmidt, "Analysis and chromosomal localization of retrotransposons in sugarbeet (<i>Beta vulgaris</i>): LINEs and Tyl-copia-like elements as major components of the genome," <i>Chromosome Res.</i> , 3:335-345, 1996.
	C32	Schwarz-Sommer and Saedler, "Transposition and retrotransposition in plants," In: Nelson O (eds) <i>Plant Transposable Elements</i> , Plenum Press, New York, 175-187, 1988.
	C33	Sharbel, "Amplified fragment length polymorphisms: a non-random PCR-based technique for multilocus sampling," In: Epplen JT and Lubjuhn T (eds) <i>DNA Profiling and DNA Fingerprinting</i> , Birkhäuser Verlag, Basel Switzerland, 178-194, 1999.
	C34	Shirasu <i>et al.</i> , "Acontiguous 66-kb Barley DANN sequence provides evidence for reversible genome expansion," <i>Genome Res.</i> , 10:908-915, 2000.
	C35	Tautz, "Hypervariability of simple sequence repeats as a general source for polymorphic DNA markers," <i>Nucleic Acids Research</i> , 17:6463-6471, 1988.

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	C36	Vaucheret <i>et al.</i> , "Interest in and limits to the utilization of reporter genes for the analysis of transcriptional regulation of nitrate reductase," <i>Mol. Gen. Genet.</i> , 235:259-268, 1992.
	C37	Vernhettes <i>et al.</i> , "In vivo characterization of transcriptional regulatory sequences involved in the defense-associated expression of the tobacco retrotransposon Tntl," <i>Plant Mol. Biol.</i> , 35:673-679, 1997.
	C38	Villordon <i>et al.</i> , "Detection of Tyl-copia-like reverse transcriptase sequences in Ipomoea batatas (L.) Poir," <i>Plant Cell Reports</i> , 19(2):1219-1225, 2000.
	C39	Vos <i>et al.</i> , "AFLP: a new technique for DNA fingerprinting," <i>Nucleic Acids Research</i> , 23(21):4407-4414, 1995.
	C40	Waugh <i>et al.</i> , "Genetic distribution of Bare-1-like retrotransposable elements in the barley genome revealed by sequence-specific amplification polymorphism (S-SAP)," <i>Mol. Gen. Genet.</i> , 253(6):687-94, 1997.
	C41	Wendel and Wessler, "Petrotransposon-mediated genome evolution on a local ecological scale," <i>Proc. Natl. Acad. Sci., USA</i> , 97(12):6250-6252, 2000.
	C42	Williams <i>et al.</i> , "DNA polymorphisms amplified by arbitrary primers are useful as genetic markers," <i>Nucleic Acids Research</i> , 18:6531-6535, 1991.
	C43	Wright and Voyatas, "Potential retroviruses in plants: tat1 is related to a group of arabidopsis thaliana Ty3/gypsy retrotransposons that encode envelope-like proteins," <i>Genetics</i> , 149:703-715, 1998.

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